## Index of Claims



Application No.

10/057,404

Examiner

Tim T. Vo

Applicant(s)

MCGOWEN ET AL.

Art Unit

2112

√ Rejected
= Allowed

- (Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| r                     |  |                       |     |   |   |   |   |          |    |          |  |  |
|-----------------------|--|-----------------------|-----|---|---|---|---|----------|----|----------|--|--|
| Cla                   | Date   |                       |     |   |   |   |   |          |    |          |  |  |
| Final                 | Original   | 10/21/5 # 11 11 11 11 |     |   |   |   |   |          |    |          |  |  |
| 1                     | 1  | -                     |     |   |   |   |   |          |    | ┢        |  |  |
| 1<br>2<br>3<br>5<br>4 | 1<br>2<br>3<br>4<br>5                              | =                     |     |   |   |   |   | $\Box$   |    |          |  |  |
| 3                     | 3  | =                     |     |   |   |   |   |          |    |          |  |  |
| 5                     | 4  | =                     |     |   |   |   |   |          |    |          |  |  |
| 4                     | 5  | =                     |     |   |   |   |   |          |    |          |  |  |
| 6                     |  | 2                     |     |   | - |   |   |          |    |          |  |  |
| 6<br>7                | <u>6</u><br>7                                      | 19 11 11              |     |   |   |   |   |          |    |          |  |  |
| 9                     | 8  | =                     |     |   |   |   |   |          |    |          |  |  |
| 8                     | 9  | =                     |     |   |   |   |   |          |    |          |  |  |
|                       | 10   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 11   |                       |     |   |   |   |   | <u> </u> |    |          |  |  |
|                       | 12   |                       |     |   |   |   | _ |          |    |          |  |  |
|                       | 13   |                       |     |   |   |   |   |          |    | ļ        |  |  |
|                       | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |                       |     |   |   |   |   |          |    | Г        |  |  |
|                       | 15   |                       |     |   | l | · |   |          |    | Г        |  |  |
|                       | 16   | <u> </u>              |     |   |   | Ι | T | l        |    |          |  |  |
|                       | 17   | _                     |     |   |   |   |   |          |    | İ        |  |  |
|                       | 18   |                       |     |   |   |   |   |          | _  | <u> </u> |  |  |
|                       | 19   |                       |     |   |   |   |   |          |    | İ        |  |  |
|                       | 20   |                       |     |   |   |   |   |          | _  |          |  |  |
|                       | 21   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 22   |                       | Г   |   |   |   |   |          | _  | <u> </u> |  |  |
|                       | 22<br>23<br>24                                     |                       |     |   |   |   |   | Г        |    |          |  |  |
|                       | 24   |                       |     |   |   |   |   |          | _  |          |  |  |
|                       | 25<br>26   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 26   |                       | l – |   |   |   |   |          |    |          |  |  |
|                       | 27   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 28<br>29   | ļ                     |     |   |   |   |   |          |    |          |  |  |
|                       | 29   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 30<br>31   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 31   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 32   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 33   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 34   |                       |     |   |   |   |   |          |    | Ī        |  |  |
|                       | 35   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 36   |                       |     |   |   |   |   |          | _  |          |  |  |
|                       | 37   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 38   | Ī.                    |     |   |   |   |   |          |    |          |  |  |
|                       | 39   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 40   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 41   |                       |     | Ĺ |   |   |   |          |    |          |  |  |
|                       | 42   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 43   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 44   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 45   |                       |     |   |   |   |   | [        | Γ. |          |  |  |
|                       | 46   |                       |     |   |   |   |   | Ĺ        |    |          |  |  |
|                       | 47   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 48   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 49   |                       |     |   |   |   |   |          |    |          |  |  |
|                       | 50   |                       |     |   |   |   |   |          |    |          |  |  |
|                       |  | •                     |     |   |   |   |   |          |    |          |  |  |

| ſ   | Claim |           | Date     |          |          |              |              |          |          |        |  |  |
|-----|-------|-----------|----------|----------|----------|--------------|--------------|----------|----------|--------|--|--|
|     | Final | Original  |          |          |          |              |              |          |          |        |  |  |
| ŀ   |       | 51        |          |          |          |              | $\vdash$     | $\vdash$ | _        |        |  |  |
| ŀ   | -     | 51<br>52  | -        | -        |          | <del> </del> |              |          |          |        |  |  |
| ŀ   |       | 53        |          |          |          |              | <del> </del> | $\vdash$ | _        |        | -  |  |
| ŀ   |       | 54        |          |          | <u> </u> |              | -            |          | _        | -      |  |  |
| ŀ   |       | 55        |          |          |          |              |              |          | _        | -      | -  |  |
| ŀ   |       | 56        |          |          |          | -            |              |          |          |        | -  |  |
| ŀ   |       | 57        |          | $\vdash$ |          | _            | <del></del>  | $\vdash$ | _        |        | -  |  |
| Ī   | -     | 58        |          |          |          |              |              |          |          |        | _  |  |
| ı   |       | 59        |          |          | _        |              | <u> </u>     |          |          |        |  |  |
| Ī   |       | 60        |          |          |          |              |              |          |          |        |  |  |
| ſ   |       | 61        |          |          |          |              |              |          |          |        |  |  |
|     |       | 62        |          |          |          |              |              |          |          |        |  |  |
|     |       | 63        |          |          |          |              |              |          |          |        |  |  |
|     |       | 64        |          |          |          |              |              |          |          |        |  |  |
| ļ   |       | 65        |          | _        |          |              |              |          |          |        |  |  |
|     |       | 66        |          |          |          | <u></u>      |              |          |          |        | L  |  |
| ļ   |       | 67        | Ш        |          |          |              |              |          | _        |        |  |  |
|     |       | 68        |          |          |          |              |              |          | _        |        |  |  |
| ŀ   |       | 69        | _        |          |          |              |              |          |          |        | <u> </u>   |  |
| ŀ   |       | 70<br>71  | <u> </u> | L        |          | <u> </u>     |              |          |          |        |  |  |
|     |       | 71        |          | _        |          | _            |              |          |          |        | <u> </u>   |  |
| ŀ   | ·     | 72        |          |          |          |              |              | <u> </u> |          |        | _  |  |
| -   |       | 73<br>74  |          |          | ļ        |              |              |          |          |        | <u> </u>   |  |
| ŀ   |       | 74        |          | _        | _        |              |              | <u> </u> |          |        | <u> </u>   |  |
| ŀ   |       | 75        |          | -        |          | ļ            | ļ            |          |          |        |  |  |
| ŀ   |       | 76<br>77  | _        | <u> </u> | <u> </u> |              | <del> </del> |          | _        |        | ┝  |  |
| ŀ   |       | 70        |          | <u> </u> |          |              |              |          | -        |        | $\vdash$   |  |
| ŀ   |       | 78<br>79  |          | -        |          |              | -            |          | -        | -      |  |  |
| ŀ   |       | 80        |          | -        |          | -            | -            |          |          |        | $\vdash$   |  |
| ŀ   |       | 81        |          | _        |          | -            | -            | $\vdash$ |          |        | ├  |  |
| ŀ   |       | 82        |          | $\vdash$ |          |              |              | -        |          |        | $\vdash$   |  |
| ŀ   |       | 83        |          |          |          | _            |              |          |          |        | $\vdash$   |  |
| ı   |       | 84        |          |          |          | $\vdash$     |              |          | _        | _      | <del>                                     </del> |  |
| ı   |       | 85        | _        | _        |          | _            |              | Г        |          |        |  |  |
| Ī   |       | 86        |          |          |          |              |              |          | _        | _      |  |  |
| 1   |       | 87        |          |          |          |              |              |          |          |        |  |  |
|     |       | 88        |          |          |          |              |              |          |          |        |  |  |
|     |       | 89        |          |          |          |              |              |          |          |        |  |  |
|     |       | 90        |          |          |          |              |              |          |          |        |  |  |
| -   |       | 91        |          |          |          |              |              |          |          |        | <u> </u>   |  |
| Ĺ   |       | 92        | <u> </u> |          |          | $\Box$       |              |          | L        |        |  |  |
|     |       | 93        |          |          |          | <u> </u>     | <u> </u>     | L        |          | $\Box$ | <u> </u>   |  |
| ļ   |       | 94        |          |          | <u> </u> | _            |              | L        |          |        | <u> </u>   |  |
| -   |       | 95        |          |          | <u> </u> |              | <u> </u>     |          | L        |        | <u> </u>   |  |
| -   |       | 96        | ļ        |          |          | <u> </u>     | <u> </u>     |          | <u> </u> |        | <u> </u>   |  |
| -   |       | 97        | H        | <u> </u> | ļ        | ļ            | <u> </u>     | <b> </b> |          | L.     | <u> </u>   |  |
| ŀ   |       | 98        |          | -        |          | -            |              |          |          |        | ļ.,  |  |
| }   |       | 99<br>100 | _        | _        | -        | -            | H            | _        |          |        | <u> </u>   |  |
| - 1 |       | TUU       |          |          |          |              |              |          | 1        |        |  |  |

| Claim        |  | Date         |  |   |  |          |  |              |  |                 |  |
|--------------|--|--------------|--|---|--|----------|--|--------------|--|-----------------|--|
|              |  |              |  |   |  |          |  |              |  |                 |  |
| 펼            | Original   |              |  |   |  |          |  |              |  |                 |  |
| Final        | rig  |              |  |   |  |          |  |              |  |                 |  |
|              | O  |              |  |   |  |          |  |              |  |                 |  |
|              | 101  |              |  |   |  |          |  |              |  |                 |  |
|              | 101<br>102   |              |  |   |  |          |  |              |  |                 |  |
|              | 103  |              |  |   |  |          |  |              |  |                 |  |
|              | 104  |              |  |   |  |          |  |              |  |                 |  |
|              | 103<br>104<br>105  |              |  |   |  |          |  |              |  |                 |  |
|              | 106  |              |  |   |  |          |  |              |  |                 |  |
|              | 107  |              |  |   |  |          |  |              |  |                 |  |
|              | 106<br>107<br>108<br>109   |              |  | L.  | L  | L        |  |              |  |                 |  |
|              | 109  |              |  |   |  |          |  |              |  |                 |  |
|              | 110  |              |  |   |  |          |  |              |  |                 |  |
|              | 111<br>112<br>113  |              |  |   |  |          |  |              |  |                 |  |
|              | 112  |              |  |   |  |          |  |              |  |                 |  |
| <u></u>      | 113  |              |  |   |  | <u> </u> |  |              | <u> </u>   |                 |  |
|              | 114  |              |  |   |  |          |  |              | <u> </u>   | $oxed{oxed}$    |  |
|              | 115  |              | _  | <u> </u>  |  |          |  | L.           |  |                 |  |
|              | 116  |              |  | <u> </u>  |  | <u> </u> |  |              |  |                 |  |
| L            | 117  |              |  |   | L.   |          | L  | L            | <u></u>  | Ш               |  |
|              | 114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | Ш            |  | $ldsymbol{le}}}}}}$ | oxdot  |          | L_   |              | _  | Ш               |  |
|              | 119  |              |  |   |  |          |  | L            |  |                 |  |
|              | 120  |              |  |   | <u> </u>   | <u> </u> |  |              | L  |                 |  |
|              | 121  |              | L_   |   |  |          |  |              | _  |                 |  |
|              | 122  |              |  |   |  |          |  |              |  |                 |  |
|              | 123  |              |  |   |  |          |  |              | L  |                 |  |
|              | 124  |              | _  | _   | _  | <u> </u> |  | _            |  |                 |  |
|              | 125  |              | _  | _   | _  | <u> </u> |  | _            | <u> </u>   |                 |  |
|              | 126  |              |  |   | ļ  | <u> </u> | _  |              | <u> </u>   | Ш               |  |
|              | 127  |              | <u> </u>   | <u> </u>  | <u> </u>   | <u> </u> |  |              |  | <b>.</b>        |  |
|              | 128  |              | _  | _   | <u> </u>   | <u> </u> |  | <u> </u>     | ļ  | Н               |  |
|              | 129  |              |  | _   | _  | <u> </u> | _  | <u> </u>     | <u> </u>   | Н               |  |
|              | 130<br>131<br>132  |              | -  | <u> </u>  |  | <u> </u> |  | -            |  | Н               |  |
|              | 131  |              |  | _   | ┝  |          |  | <u> </u>     | -  | $\vdash$        |  |
|              | 132  |              | <u> </u>   |   | ├—   | ┝        | _  | ┝            | <u> </u>   | Н               |  |
| <b></b>      | 133<br>134   |              | <u> </u>   |   | <del> </del>                                     |          | <u> </u>   | $\vdash$     | -  | $\vdash\vdash$  |  |
|              | 134  | -            | ⊢  | ├-  | $\vdash$   |          |  |              | -  | Н               |  |
|              | 135<br>136   | <u> </u>     | $\vdash$   |   | <del> </del>                                     | -        | -  | -            | <del> </del>                                     | $\vdash \vdash$ |  |
| <del></del>  | 137  | $\vdash$     |  | -   | $\vdash$   | ┢        | <del> </del>                                     | -            | $\vdash$   | Н               |  |
| <del></del>  | 138  | <del> </del> | <del> </del>                                     |   | <del> </del>                                     |          | $\vdash$   | $\vdash$     |  | Н               |  |
|              | 138<br>139   | $\vdash$     | $\vdash$   | <del> </del>  | -  | -        | $\vdash$   | $\vdash$     |  | Н               |  |
|              | 140  | $\vdash$     | $\vdash$   | <del>                                     </del>  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$        |  |
| -            | 141  | $\vdash$     | <del> </del>                                     | $\vdash$  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$        |  |
|              | 142  | $\vdash$     | $\vdash$   | $\vdash$  | -  |          | <del> </del>                                     | $\vdash$     |  | Н               |  |
| <b></b>      | 143  |              | <del>                                     </del> | $\vdash$  | <del> </del>                                     |          | <del>                                     </del> | <del> </del> | <del>                                     </del> | Н               |  |
|              | 144  |              | $\vdash$   | <del> </del>  | <del>                                     </del> | $\vdash$ | <u> </u>   |              |  | $\vdash$        |  |
| <del> </del> | 145  |              | ┢  | $\vdash$  | $\vdash$   | $\vdash$ | -  | <del> </del> | $\vdash$   | Н               |  |
|              | 146  |              | -  |   | $\vdash$   | $\vdash$ | $\vdash$   | ┝            |  | Н               |  |
|              | 147  | -            | $\vdash$   | $\vdash$  | ├  | $\vdash$ |  | -            |  | Н               |  |
| <b></b>      | 148  | $\vdash$     | $\vdash$   | _   | $\vdash$   | ├        | $\vdash$   | $\vdash$     | -  | $\vdash$        |  |
|              | 149  | _            | ١  | $\vdash$  | $\vdash$   | $\vdash$ | H  |              | $\vdash$   | $\vdash$        |  |
|              | 150  | $\vdash$     | <del></del>                                      | $\vdash$  |  | $\vdash$ |  | -            | -  | Н               |  |
|              |  |              | L .  |   | ı  | 1        |  |              |  |                 |  |